

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-6 (Canceled).

Claim 7 (Currently Amended). A mobile communication terminal apparatus configured to communicate with a transmitting station together with other terminal apparatuses, comprising:

an antenna unit configured to select at least one of a plurality of antenna radiation characteristics different from one another, ~~to~~ and receive a signal transmitted from the transmitting station according to the selected ~~one of the~~ antenna radiation characteristics, and to generate a first signal;

a wave detector ~~which detects~~ configured to detect the first signal and to output a detection signal;

a receiver ~~which receives~~ configured to receive a signal which is transmitted from the other terminal apparatuses and represents the detection signal, and to generate a reference signal;

an operator ~~which operates~~ configured to determine a correlation value between the reference signal[[,]] and the detection signal of the selected antenna radiation characteristic at the time of selecting the antenna radiation characteristic;

a determination device configured to determine first antenna radiation characteristics of the other terminal apparatuses and second antenna radiation characteristics to be set at the antenna unit, based on the correlation value;

a first transmitter ~~which transmits~~ configured to transmit a designation signal, for designating the first antenna radiation characteristics, to the other terminal apparatuses;

a controller ~~which controls~~ configured to control the antenna unit and to obtain the second antenna radiation characteristics; and

a second transmitter ~~which transmits~~ configured to transmit the detection signal to the other terminal apparatuses, when the antenna unit has the second antenna radiation characteristics.

Claim 8 (Currently Amended). The terminal apparatus according to claim 7, wherein the determination device is configured to determine ~~determines~~ the plurality of antenna radiation characteristics as the first antenna radiation characteristics ~~characteristic~~ and the second antenna radiation characteristics, when there are a plurality of antenna radiation characteristics satisfying a given first condition; and

the controller ~~controls~~ is configured to control the antenna unit to select one of the plurality of second antenna radiation characteristics under a second condition different from the first condition, and ~~sets to set~~ the selected second antenna radiation characteristic at the antenna unit, when there are a plurality of second antenna radiation characteristics.

Claim 9 (Currently Amended). The terminal apparatus according to claim 7, further comprising:

a second receiver ~~which receives~~ configured to receive a signal transmitted from the other terminal apparatuses without passing through the transmitting station and obtained by the first antenna radiation characteristics ~~of selected by~~ the other terminal apparatuses, and to generate a second signal; and

a processor ~~which processes~~ configured to process the second signal and the detection signal in a diversity scheme.

Claim 10 (Original). The terminal apparatus according to claim 7, wherein the antenna unit comprises:

- a plurality of antenna devices;
- a selection device configured to select at least one of the plurality of antenna devices as a selected antenna device; and
- a change device configured to change the selected antenna device to change over the antenna radiation characteristics.

Claim 11 (Currently Amended). The terminal apparatus according to claim 7, wherein the antenna unit comprises:

- a plurality of antenna devices;
- a phase shifter ~~which shifts~~ configured to shift a phase of output signals of the plurality of antenna devices, and to output a phase shift signal;
- a synthesizer ~~which synthesizes~~ configured to synthesize the phase shift signal; and
- a change device configured to change an amount of the phase shift of the phase shifter to change over the antenna radiation characteristics.

Claim 12 (Original). The terminal apparatus according to claim 7, wherein the antenna unit comprises:

- an antenna device;
- a passive element arranged in close vicinity of the antenna device;
- a variable terminal element connected to the passive element; and
- a change device configured to change a value of the variable terminal element to change over the antenna radiation characteristics.

Claims 13-15 (Canceled).

Claim 16 (Currently Amended). A mobile communication method comprising:

- receiving a first signal transmitted from a transmitting station by an antenna unit that selects at least one of a plurality of antenna radiation characteristics different from one another;
- detecting the first signal to output a detection signal;
- receiving a reference signal which is transmitted from other terminals and represents the detection signal;
- operating a correlation value between the reference signal[[,]] and the detection signal of the selected antenna radiation characteristics at the time of changing the antenna radiation characteristic;
- determining first antenna radiation characteristics of the other terminal apparatuses and second antenna radiation characteristics to be set at the antenna unit, based on the correlation value;
- transmitting a designation signal to designate the first antenna radiation characteristics[[,]] to the other terminal apparatuses;
- controlling the antenna unit to obtain the second antenna radiation characteristics; and
- transmitting the detection signal to the other terminal apparatuses, when the antenna unit has the second antenna radiation characteristics.

Claim 17 (Currently Amended). The method according to claim 16, wherein the determining step includes determining the plurality of antenna radiation characteristics as the first antenna radiation characteristics ~~characteristic~~ and the second antenna radiation characteristics, when there are a plurality of antenna radiation characteristics satisfying a given first condition; and

the controlling step includes controlling the antenna unit to select one of the plurality of second antenna radiation characteristics under a second condition, and setting the selected second antenna radiation characteristic at the antenna unit, when there are a plurality of second antenna radiation characteristics.

Claim 18 (Original). The method according to claim 16, further comprising:
receiving a second signal transmitted from the other terminals without passing through the transmitting station and obtained by the antenna radiation characteristics selected by the other terminal apparatuses; and
processing the second signal and the detection signal in a diversity scheme.